



PATENT

In re application of: Ronaldson et al.

Attorney Docket No.: UDL1P044C1

Application No.: 10/075,965

Examiner: Behrend, H.

Filed: February 13, 2002

Group: 3641

Title: MONITORING A SAMPLE CONTAINING  
A NEUTRON SOURCE

Confirmation No.: 1141

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Commissioner for Patents, Washington, DC 20231 on February 7, 2003.

Signed: \_\_\_\_\_

Laura M. Dean

SUPPLEMENTAL RESPONSE TO RESTRICTION REQUIREMENT

Commissioner for Patents  
Washington, DC 20231

**RECEIVED**  
FEB 19 2003  
GROUP 3600

Dear Sir:

This Supplemental response to the Restriction Requirement dated August 7, 2002 is hereby presented.

IN THE CLAIMS

Please amend claim 3.

Please add claims 13 – 32.

DI 3. A method according to claim 1, wherein the single neutron count rate ( $R_1$ ) is related to the spontaneous fission rate ( $F_s$ ), the self induced fission rate ( $M$ ), the detection efficiency ( $\epsilon$ ) and the  $\alpha, n$  reaction rate ( $\alpha$ ) by the function:

$$R_1 = (\epsilon)(F_s)(M)(v_{s1})(1 + \alpha),$$